GENERAL NOTES 1. ALL LAMPS SHALL BE HIGH PRESSURE SODIUM UNLESS NOTED OTHERW 2. OPERATING VOLTAGE SHALL BE 480 VOLTS. 3. ALL BALLASTS SHALL BE REGULATOR TYPE. 4. REFRACTORS SHALL BE PRESSED PRISMATIC BOROSILICATE GLASS. 5. RIGID CONDUIT, INSTALLED ON STRUCTURES SHALL BE SUPPORTED AT TEN FEET AND WITHIN THREE FIET OF JUNCTION BOXES, LUMANINES, IN CONDUIT SHALL BE PROVIDED AT EACH BRIDGE SYPANSION JOINT AND FROM BRIDGE SUPPRISTRUCTURE. 7. CONDUIT EXPANSION JOINTS OF PROPER LENGTHS OF WATERPROOF EACH RIGHT OF THE CONDUIT AND FROM BRIDGE SUPPRISTRUCTURE TO SUBSTRUCTURE. 7. CONDUIT EXPANSION JOINTS SHALL BE PROVIDED IN WALLS AT EACH LUMERE CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULL BOXES, CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULL BOXES, CONDUIT. 9. THE CONTRACTOR SHALL INSTALL A MYLON PULL CORD OR GALVANIZED EACH EMPTY CONDUIT. THE COST OF THIS TEN WILL NOT BE PAID FOR AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT. 10. EACH SERVICE POINT SHALL BE EQUIPPED WITH A 650 VOLT - 2 POLI ARRESTER. 11. THE CONTRACTOR SHALL PROVIDE THE SERVICE POLE, UNLESS OTHERW SERVICE RISER, WEATHERHEAD, WEATHERROOF ENCLOSURE, CRICLIT BE SOURCE. 12. CONDUIT ON BRIDGES, WALLS, ETC., SHALL BE LOCATED WHERE IT IS 1 TO THE TRAVELING PUBLIC. 13. THE ON/OFF CONTROLS FOR EACH LIGHTING CONTROLSED AT THE PROVIDE OF THE CONDUIT ON BRIDGES. WALLS, ETC., SHALL BE LOCATED WHERE IT IS 1 TO THE TRAVELING PUBLIC. 14. ALL FUSES AND FUSEHOLDERS SHALL BE INSTALLED UNDER ALL ROADW SHALL BE BREAKWAW. 15. CONCRETE ENCASED CONDUIT SHALL BE INSTALLED UNDER ALL ROADW SHALL BE BREAKWAW. 16. RIGHT STELL CONDUIT SHALL BE USED ABOVE GRADE, WHERE EXPOSED CONTACTORS, INCLUDER AND WHERE NOTED. 17. ELECTRICAL COLUMENTS SUCH AS THE PHOTOLECTIC CONTROL SYSTEM CONTACTORS, PRAVELBOARD, ENCLOSURES, GROUND RODS, CIRCUIT BRECONNECTIONS TO LIGHTNING ARRESTERS ARE CONSIDERED TO BE INSTALLED OF THE PROVINCE ON THE COST OF THE PROCEDOR.	
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PHOTOCELL CONTROLLED LIGHTING CONTACTORS LOCATED AT THE PANEL OTHERWISE INDICATED. 14. ALL FUSES AND FUSEHOLDERS SHALL BE INLINE TYPE AND WATERPROOF FUSEHOLDERS IN LIGHTING STANDARDS WITH AN ALUMINUM TRANSFORMS SHALL BE BREAKAWAY. 15. CONCRETE ENCASED CONDUIT SHALL BE INSTALLED UNDER ALL ROADWATED. 16. RIGID STEEL CONDUIT SHALL BE USED ABOVE GRADE, WHERE EXPOSED AND WHERE NOTED. 17. ELECTRICAL EQUIPMENT SUCH AS THE PHOTOELECTRIC CONTROL SYSTEM CONTACTORS, PANELBOARD, ENCLOSURES, GROUND RODS, CIRCUIT BRECONNECTIONS TO LIGHTNING ARRESTERS ARE CONSIDERED TO BE INCIDED ELECTRICAL SYSTEMS AND ARE TO BE INCLUDED IN THE COST OF THE PICK—UP POINTS.	OT VISIBLE
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	KERS, AND ENTAL TO THE
	_ SAFETY
19. THE CONTRACTOR SHALL SUBMIT PHOTOMETRIC DATA AND DESIGN CALC THE LUMINAIRES, TO VERIFY THE LIGHTING DESIGN CRITERIA.	JLATIONS, FOR
LIGHTING DESIGN CRITERIA: MAINTENANCE FACTOR = 0.7 AVERAGE MAINTAINED ILLUMINATION FOR ROADWAY = 1.4 F.C. UNIFORMITY RATIO (AVG./MIN.) = 3:1 MAXIMUM WIND SPEED = 90 MPH	
20. THE CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN WARRANTY FOR DEFECTIVE WORKMANSHIP ON THE LUMINAIRES, POLES, LIGHTING CONTR ALL THE OTHER ELECTRICAL EQUIPMENT.	
21. CABLE TO BE MULTIPLE CONDUCTOR 2-#6 & 1-#6 COPPER TYPE RHY OTHERWISE NOTED. NOTE: INDIVIDUAL CONDUCTORS ARE ACCEPTABLE, E BID AS MULTIPLE CONDUCTOR CABLE. ALUMINUM CONDUCTORS ARE NO	ÚT MUST BE

EL	E.	CT	RI	CAL	SYMBOLS

$\left(\mathbb{E}_{j}\right)$	ELECTRICAL	JUNCTION	BOX,	CONCRETE	GROUND	MOUNTED

e y

	PROPOSED SERVICE POINT - 480/240, 1 PHASE	, 3 WIRE.
$\leftarrow \rightarrow$	CONTRACTOR TO VERIFY WITH GEORGIA POWER IN	FIELD.

PULL BOX

650 VOLT - 2 POLE LIGHTNING ARRESTER

GROUND ROD — TO BE INSTALLED AT EACH GROUND MOUNTED LIGHTING STANDARD LOCATION

CONDUIT, NONMETALLIC, 2" TP 2 (SCHEDULE 40 PVC) FOR LIGHTING

———— CONDUIT, RIGID GALVANIZED, SIZE AS INDICATED

150 WATT HPS WALL MOUNTED TYPE A

O- POLE AND SINGLE LIGHTING FIXTURE, 250W HPS TYPE B

SUMMARY OF QUANTITIE:	S	
DESCRIPTION	UNIT	QUANTITY
CLASS A CONCRETE	YD3	4
BAR REINFORCEMENT STEEL	LB	800
LIGHTING STD, 25 FT MH, POST TOP	EA	53
LUMINAIRE, TP 3, 250 W, HP SODIUM (TYPE B)	EA	53
LUMINAIRE, 150 W, HP SODIUM (TYPE A)	EA	8
CABLE, TP THW, AWG NO 6	LF	30000
CONDUIT, RIGID 1 1/2 IN	LF	100
CONDUIT, NONMETL, TP 2, 2 IN	LF	8000
SERVICE PICK UP POINT A	LS	1
SERVICE PICK UP POINT B	LS	1
ELECTRICAL JUNCTION BOX	EA	8
ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	5

PROJECT NUMBER NH000-0085-02(153) SHEET NO. TOTAL SHEETS

COSTING PLANS FOR DESIGN-BUILD

ELEC	TRICAL	ABBRE	AOITAIN	IS
			1	

'G AVERAGE

B ELECTRICAL JUNCTION BOX

FOOTCANDLE

GAPCO GEORGIA POWER COMPANY

GEORGIA DEPARTMENT OF TRANSPORTATION

PS HIGH PRESSURE SODIUM

MAIN SERVICE

PULL BOX

RIGID STEEL

LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	DESCRIPTION	VOLTAGE	MOUNTING	LAMPS	REMARKS	
A	U.L. WET LABEL WALLPACK, GRAY HOUSING, TOP—HINGE DOOR GLASS, INTEGRAL BALLAST, 3/4" CONDUIT ENTRY, STIPPLED FLAT GLASS.	480	WALL	150 WATT HPS	BRIDGE UNDERPASS	
В	CUT-OFF TYPE ROADWAY LUMINAIRE ON 25' ALUMINUM POLE. TYPE II DISTRIBUTION, GRAY COLOR, FLAT GLASS LENS.	480	POLE TOP	250 WATT HPS	INTERSTATE RAMPS	

PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EXISTING R/W LINE
OBLITERATE & REMOVE PAVEMENT

& GRADE TO DRAIN

EASEMENT FOR CONSTR OF DRIVES



	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTA	T I UNI
		OFFICE: URBAN DESIGN	ITON
SCALE IN FEET		LIGHTING PLANS	
20 40 80		PROJECT: SR4ØØ/1-85 CONNECTOR	RAMPS
			DRAWING No.
		COUNTY: FULTON & DEKALB	ZD-00